

Active Extrusion Components

Programmable CNC Die

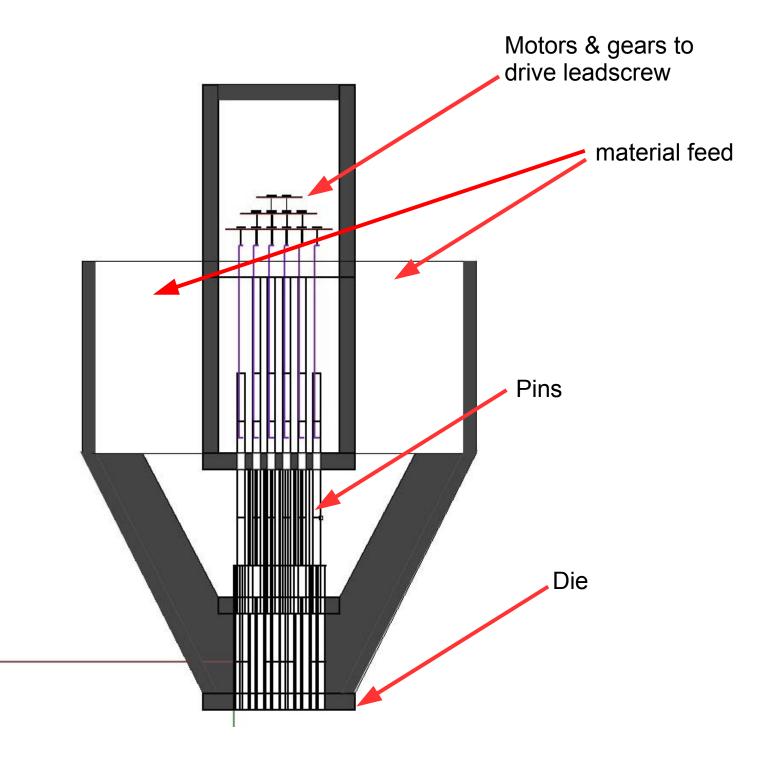
To change the section of the extruded part In real-time or between parts

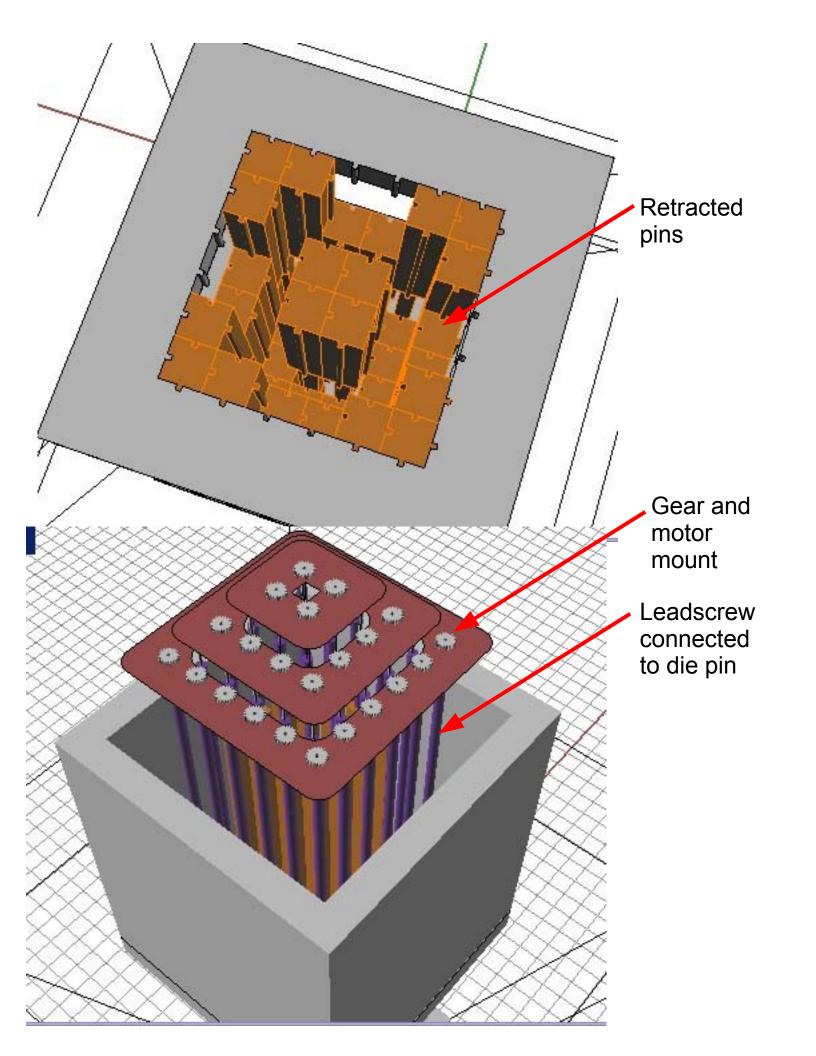
Quad-Barrel Extrusion Drive

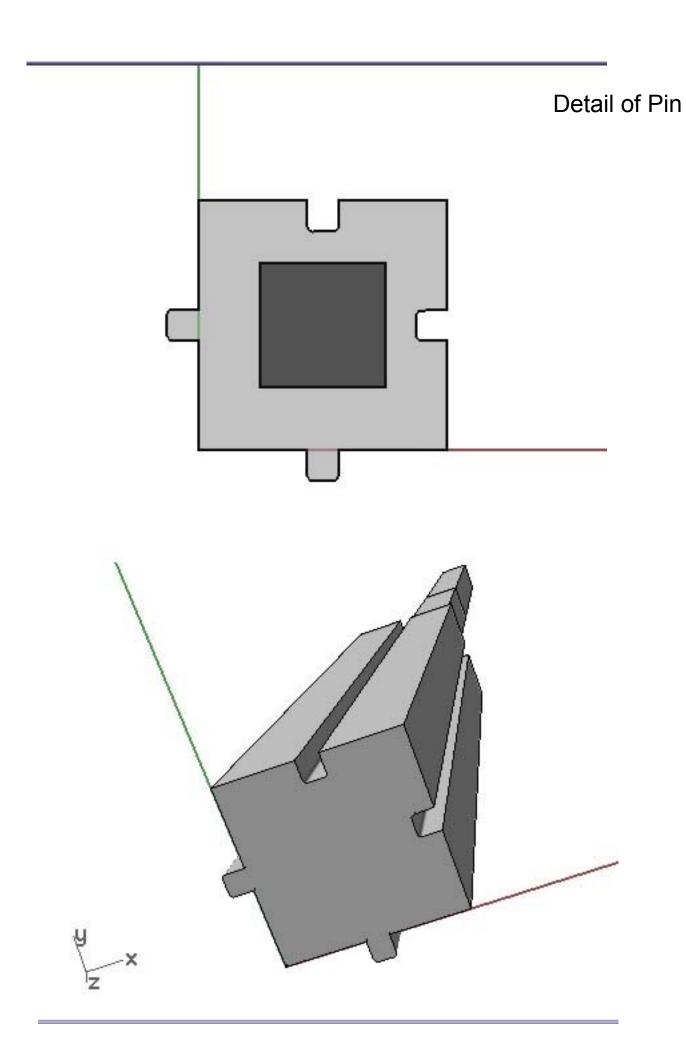
Applies variable pressure to each quadrant of the die to change direction of extruded part

Dynamic Material Mixer Dynamically controls hardener to material ratio

Programmable Extrusion Die

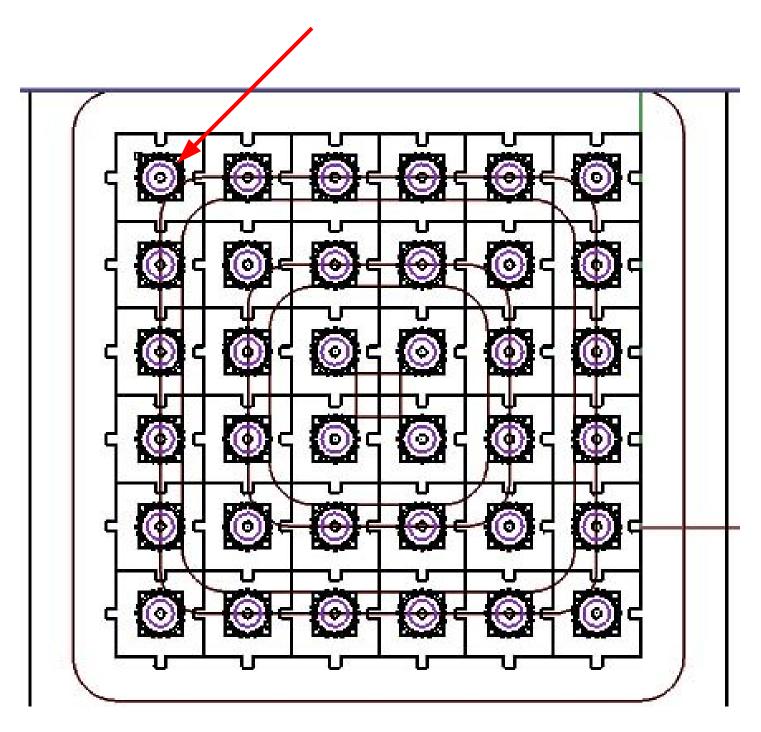






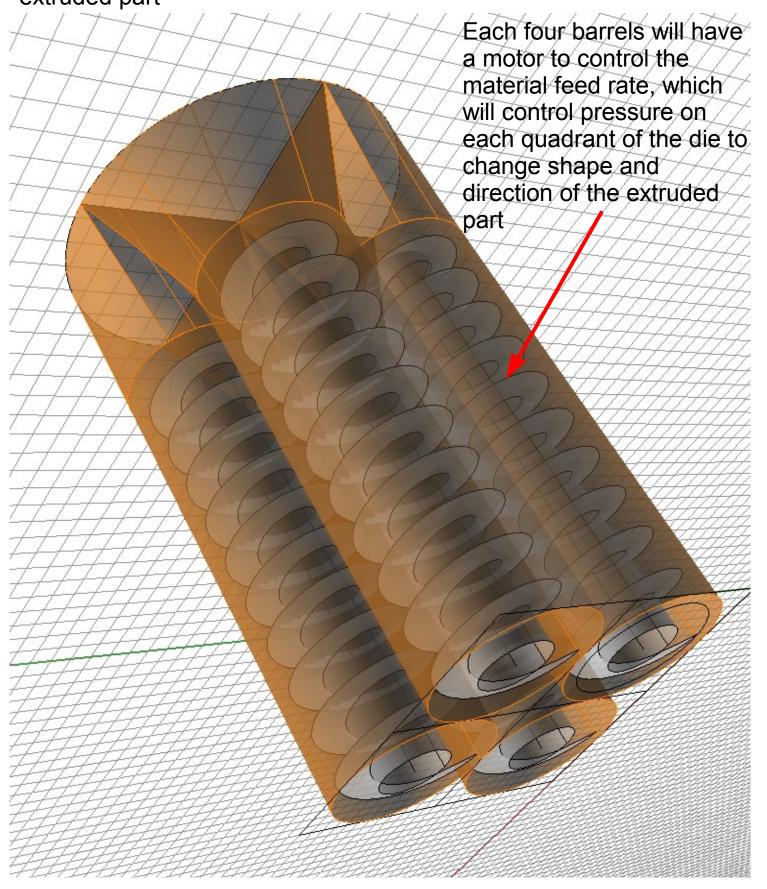
A 6x6 array of pins

36 stepper motors to retract pins to the open position by turning a gear that will be attached to a leadscrew



Quad Barrel Extrusion Drive

to control pressure on four sides which will change direction of extruded part



DYNAMIC MATERIAL MIXING

to control hardness of cured extruded part

